

In the Claims:

1. (Original) A chelator-derivatised amino acid comprising: 1) an optionally protected primary or secondary amino group; 2) a carboxylic acid group; 3) a chelator group capable of binding a metallic radionuclide.
2. (Original) A chelator-derivatised amino acid according to Claim 1, wherein the chelator group is a hynic (hydrazinonicotinamide) group.
3. (Original) A chelator-derivatised amino acid according to Claim 2 wherein the hynic hydrazine group is protected.
4. (Original) A chelator-derivatised amino acid according to Claim 3 wherein the hynic hydrazine group is protected by a Boc or trifluoroacetyl protecting group.
5. (Currently amended) A chelator-derivatised amino acid according to [[any preceding claim]] claim 1, wherein the amine and carboxylic acid groups are embodied in [[the]] amino acid L-lysine or a homologue thereof.
6. (Original) A chelator-derivatised amino acid according to Claim 5, wherein the amino acid is L-lysine or L-ornithine.
7. (Original) A chelator-derivatised amino acid according to Claim 6, wherein the amino acid is L-lysine.
8. (Currently amended) A chelator-derivatised amino acid according to [[any preceding claim]] claim 1, wherein the amino group is protected.
9. (Original) A chelator-derivatised amino acid according to Claim 8, wherein the amino group is protected with an Fmoc protecting group.

10. (Currently amended) A method of synthesising a peptide comprising a chelator, the method comprising incorporation into the peptide of a chelator-derivatised amino acid [[according to any one of claims 1 to 9]] comprising: 1) an optionally protected primary or secondary amino group; 2) a carboxylic acid group; 3) a chelator group capable of binding a metallic radionuclide.

11. (Original) A method according to Claim 10 wherein the peptide is synthesized by solid phase peptide synthesis.

12. (Currently amended) A peptide obtained according to a method of Claims 10 [[or 11]].

13. (Original) A peptide comprising the amino acid sequence of salmon calcitonin in which lysine-18 is replaced by lysine-hynic.

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